

NHL-NP-46 Sequence Listing  
SEQUENCE LISTING

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<110>  Fuertes-Lopez, Laura
        Timon-Jimenez, Marcos

<120>  DNA EXPRESSION CONSTRUCT FOR TREATMENT OF INFECTIONS WITH
        LEISHMANIASIS

<130>  NHL-NP-46

<150>  DE 101 48 732.0
<151>  2001-10-02

<150>  DE 101 56 679.4
<151>  2001-11-12

<150>  PCT/DE02/03799
<151>  2002-10-02

<160>  9

<170>  PatentIn version 3.2

<210>  1
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<212>  DNA
<213>  Plasmid pScp36

<220>
<221>  misc_feature
<222>  (1939)..(1045)
<223>  Kanamycin resistance, reverse complementary

<220>
<221>  promoter
<222>  (2447)..(3243)
<223>  CMV

<220>
<221>  Intron
<222>  (3250)..(3386)

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<221>  misc_feature
<222>  (3393)..(4331)
<223>  p36 protein

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<222>  (4338)..(4539)
<223>  poly A site aus SV 40

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aacatgtctc gggaggcctc acgtgacatg tgagcaaaag gccagcaaaa ggccaggaac      180
cgtaaaaagg ccgcgttgct ggcgtttttc cataggctcc gccccctga cgagcatcac      240
aaaaatcgac gctcaagtca gaggtggcga aacccgacag gactataaag ataccaggcg      300

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ctcagttcgg	tgtaggtcgt	tcgctccaag	ctgggctgtg	tgcacgaacc	ccccgttcag	480
cccgaccgct	gcgccttata	cggttaactat	cgtcttgagt	ccaacccggt	aagacacgac	540
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gacagttacc	aatgcttaat	cagtgaggca	cctatctcag	cgatctgtct	atttcgttca	1020
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gttgtaaaac	gacggccagt	gccaagcttg	gtctcctccc	ggatcctcaa	tattggccat	2460
tagccatatt	attcattggt	tatatagcat	aatcaatat	tggctattgg	ccattgcata	2520
cgttgatct	atatcataat	atgtacattt	atattggctc	atgtccaata	tgaccgcat	2580
gttggcattg	attattgact	agttattaat	agtaatcaat	tacggggtca	ttagtccata	2640
gcccataat	ggagttccgc	gttacataac	ttacggtaaa	tggcccgct	ggctgaccgc	2700
ccaacgaccc	ccgcccattg	acgtcaataa	tgacgtatgt	tcccatagta	acgccaatag	2760
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cctggcatta	tgcccagtac	atgaccttac	gggactttcc	tacttggcag	tacatctacg	2940
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cggagctgac gccggacggc gcgaagccgt ccgagtgcac ctccattgcc tgggtccgccg 4260
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aggtttttta aagcaagtaa aacctctaca aatgtggtag aattcagggg gagaccaat 4560
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```

```
<210> 2
<211> 11
<212> PRT
<213> Human immunodeficiency virus type 1, TAT peptide
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```
<400> 2
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1 5 10
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```
<210> 3
<211> 7
<212> PRT
<213> Simian virus 40, NLS peptide
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```
<400> 3
Pro Lys Lys Lys Arg Lys Val
1 5
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```
<210> 4
<211> 20
<212> DNA
<213> ODN 1
```

```
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<221> modified_base
<222> (12)..(12)
<223> xT = Thymin modified with a reactive amino group
```

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<400> 4
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```

# NHL-NP-46 Sequence Listing

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<211> 20  
<212> DNA  
<213> ODN 2

<400> 5  
aggggtccag ttttctggac 20

<210> 6  
<211> 33  
<212> DNA  
<213> 1. PCR: Primer left

<400> 6  
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<210> 7  
<211> 42  
<212> DNA  
<213> 1. PCR: Primer right

<400> 7  
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<210> 8  
<211> 33  
<212> DNA  
<213> 2. PCR: Primer left

<400> 8  
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<210> 9  
<211> 33  
<212> DNA  
<213> 2. PCR: Primer right

<400> 9  
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